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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/556,285	04/24/2000	Geoff W. Taylor		7980

7590 05/08/2002  
DAVID P. GORDON  
65 WOODS END ROAD  
STAMFORD, CT 06905

EXAMINER

MUNSON, GENE M

ART UNIT	PAPER NUMBER
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2811

DATE MAILED: 05/08/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

556,283

Applicant(s)

G. TAYLOR

Examiner

G. MUNSON

Group Art Unit

2811

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE THREE MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- ☒ Responsive to communication(s) filed on 11 February 2002
- ☒ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

## Disposition of Claims

- ☒ Claim(s) 9-24 is/are pending in the application.
- Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- ☒ Claim(s) 9-24 is/are rejected.
- ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- ☐ Claim(s) \_\_\_\_\_ are subject to restriction or election requirement

## Application Papers

- ☒ The proposed drawing correction, filed on 11 Feb 2002 is ☒ approved ☐ disapproved.
- ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner
- ☒ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d).
- ☐ All ☐ Some\* ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
- ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_
- ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a))

\*Certified copies not received: \_\_\_\_\_

## Attachment(s)

- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_ ☐ Interview Summary, PTO-413
- ☐ Notice of Reference(s) Cited, PTO-892 ☐ Notice of Informal Patent Application, PTO-152
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948 ☐ Other \_\_\_\_\_

Office Action Summary

Art Unit: 2811

The specification is objected to under 35 U.S.C. 112, first paragraph, and 37 CFR 1.71. On page 8, lines 13-14, of the amended specification, labels "151" and "152" do not agree with amended Figure 1. On page 12, last line, label "161" does not agree with amended Figure 1. On page 12, lines 4-5 appear incorrect because every "third" pixel has two adjacent pixels. If both "are clocked with a phase II clock", then there would be no "remaining pixels" to be "clocked with a phase III clock". On page 13, lines 9-10, how an "emitter is forwarded biased with respect to the collector" is not explained at the first instance.

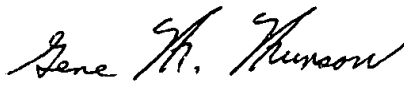
Claims 9-24 are rejected under 35 U.S.C. 112, first paragraph. The structure of the semiconductor imaging device (claim 9), three phase clocking scheme (claim 22), and active pixel image sensor (claim 24) are not clearly described to enable any person skilled in the art to make and use the invention. In claims 16 and 18, element (i) does not agree with amended Figure 2 (layer 165). Possible useful embodiments of the Figure 1 structure are not clearly shown in the figures. See 37 CFR 1.83. How the layers of Figure 1 fit into the device of Figures 2 and 4 is not clearly explained. Via which layer of Figure 1 signal charge reaches the output in Figure 4 is not clearly explained.

The arguments in the response, filed 11 February 2002, have been considered but are not wholly persuasive, as noted above. The response does not demonstrate that any person skilled in the art would be able to make and use the imaging device of the invention.

No claim is allowed.

If you have any questions concerning this application, contact G. Munson at (703) 308-4925 or 0956.

G. Munson/mm  
05/01/02

  
GENE M. MUNSON  
EXAMINER  
GROUP ART UNIT 2811